August 7, 2017, Item #5

SOLLI ENGINEERING

July 25, 2017

Todd Dumais / Town Planner
Town Of West Hartford
50 South Main Street
West Hartford, CT 06107

RE: 660 Mountain Road – Gledhill Estates
Special Use Permit Application #1299
IWW Map Amendment #1060
IWW Regulated Activity #1061
Project Number: 1508601

Dear Mr. Dumais:

We recently met with The Metropolitan District (MDC) in regards to the water and sanitary layout for the proposed Gledhill Estates project located at 660 Mountain Road, West Hartford, Connecticut. Our initial design had proposed to maintain the existing sewer line that currently provides service for the existing house and nursery on the property. The MDC has requested some modifications to the previously approved Site Utility Plan in regards to the proposed connection into the existing sanitary manhole, located at the southeast corner of the property, as well as some minor changes regarding slopes and pipe sizes for the proposed sanitary main and laterals.

Per MDC recommendations we have revised the Site Utility Plan and Soil Erosion & Sediment Control Plans to provide a temporary trench across the existing brook to install an 8" ductile iron sanitary main. MDC has indicated since they do not have any record of the installation of the existing main, we are obligated to install a new main in order for them to accept it to service the proposed structures. This sanitary main has been designed to tie into the existing sanitary manhole at an elevation of 153.70; higher than the existing 6" main that will be plugged and abandoned in place. The proposed main will traverse the brook approximately 2 feet below the bottom of the brook and ties into a proposed manhole. This manhole is approximately in the same location as the existing manhole that the proposed sanitary system tied into as previously approved. For more information regarding the revised sanitary main please refer to the enclosed Site Utility Plan (Sheet 2.51).

To accommodate the trenching through the brook the Soil Erosion & Sediment Control Plan (Sheet 2.32, Phase 2) has been modified to show protection measures in the form of staked haybales on each side of the proposed shoring. The design will also incorporate a temporary coffer dam to divert flow from the tributary brook located at the southeast corner of the property, to adequately install the proposed sanitary main in a timely manner. For more information regarding the proposed trenching and protection measures of the adjacent brook please refer to the enclosed Soil Erosion & Sediment Control Plans (Sheets 2.31, 2.32 and 2.33) and Soil Erosion & Sediment Control Notes & Details (Sheet 2.41).

The proposed trenching will result in approximately 100 square feet of temporary wetland impacts. The previously approved plans also proposed minor temporary impacts to this area for the proposed mitigation and enhancement of the adjacent wetlands.

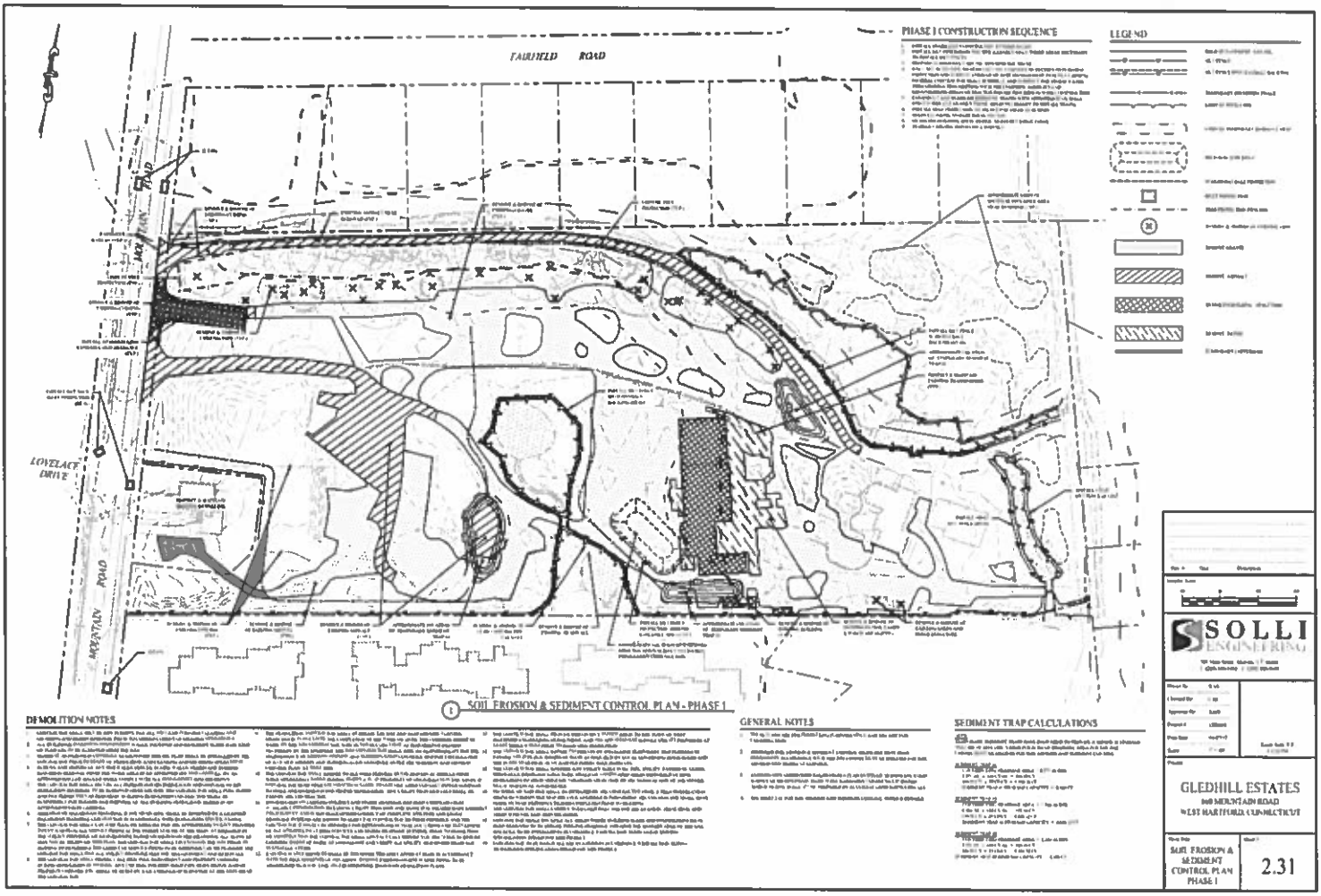
Please review the revised Site Utility Plan (Sheet 2.51), Soil Erosion & Sediment Control Plans (Sheets 2.31, 2.32 and 2.33) and Soil Erosion & Sediment Control Notes & Details. Please let us know if you have any questions or comments or if you require any additional information regarding the MDC comments and revisions to the approved plans.

Respectfully,
Solli Engineering, LLC

Casey J. Burch
Assistant Project Manager

Enclosures: Site Utility Plan (Sheet 2.51)
Soil Erosion & Sediment Control Plan – Phase I (Sheet 2.31)
Soil Erosion & Sediment Control Plan – Phase II (Sheet 2.32)
Soil Erosion & Sediment Control Plan – Phase III (Sheet 2.33)
Soil Erosion & Sediment Control Notes & Details (Sheet 2.41)

CC: Duane Martin P.E. / Town Engineer
Ron Webber
David Raisner
Steven Temkin
Kevin Solli, P.E.



1 SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE I

DEMOLITION NOTES

GENERAL NOTES

SEDIMENT TRAP CALCULATIONS

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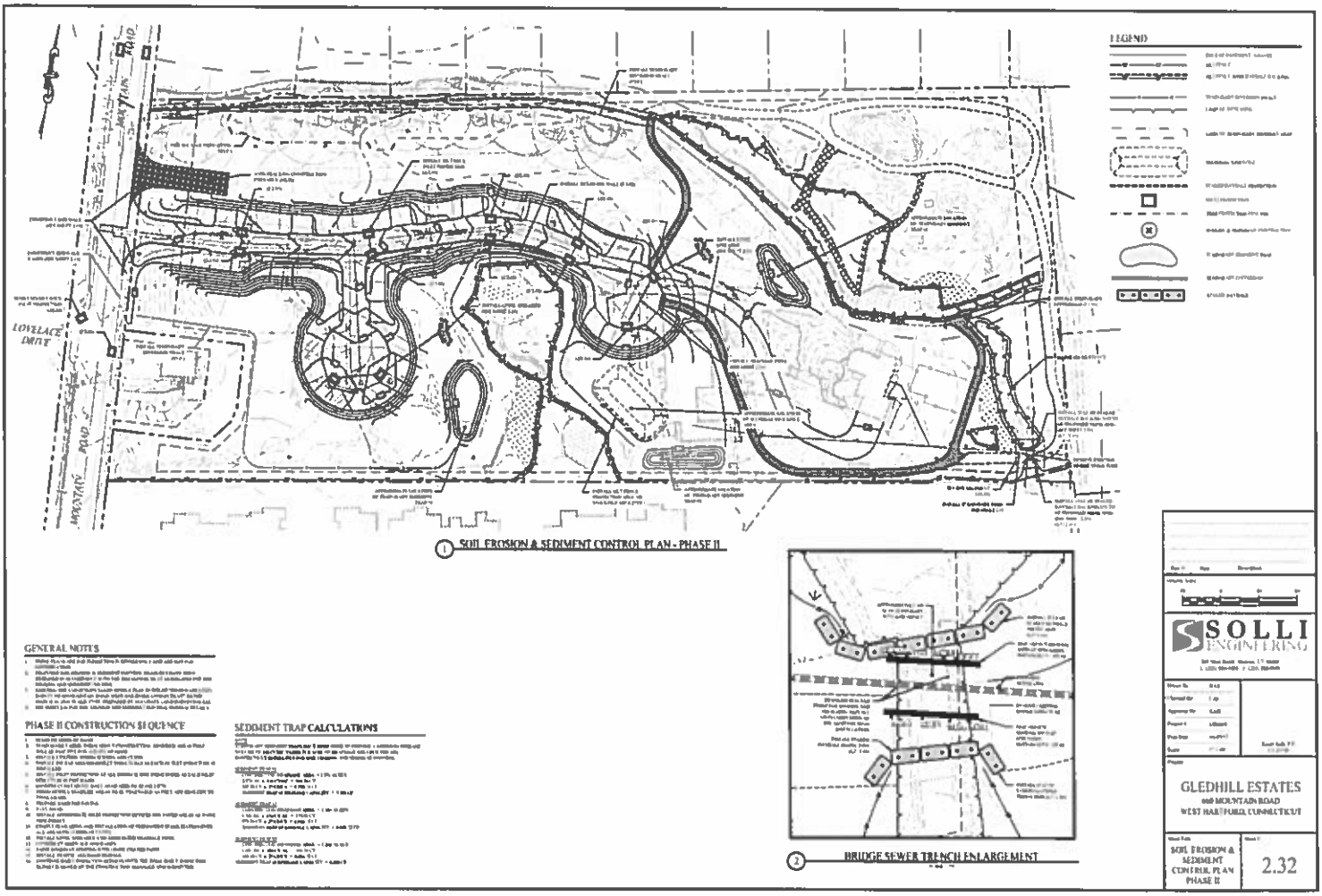
GLEDHILL ESTATES
860 MOUNTAIN ROAD
WEST HARTFORD, CONNECTICUT

SOIL EROSION & SEDIMENT CONTROL PLAN PHASE I

2.31



1 SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE II

2 BRIDGE SEWER TRENCH ENLARGEMENT

GENERAL NOTES

PHASE II CONSTRUCTION SEQUENCE

SEDIMENT TRAP CALCULATIONS

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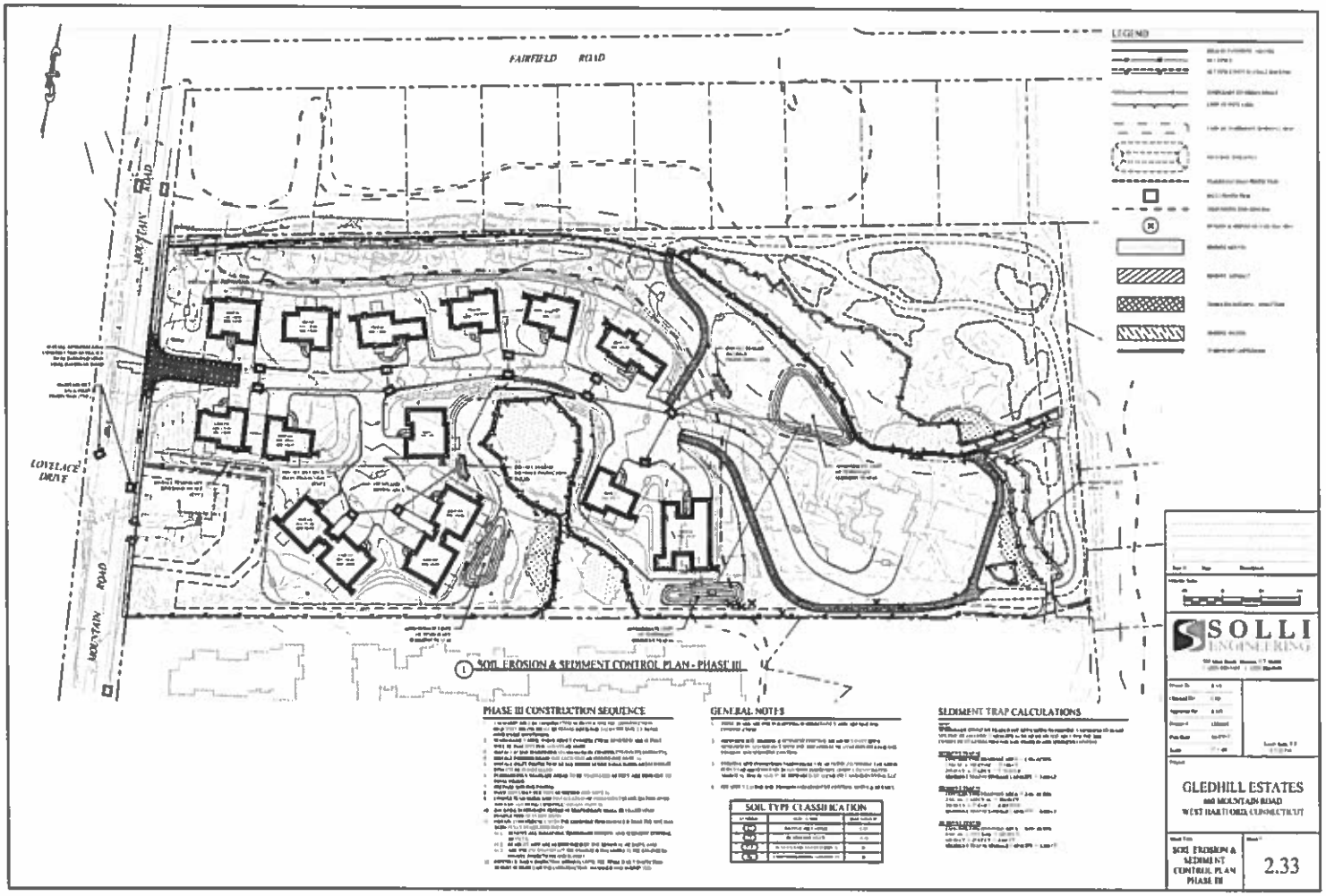
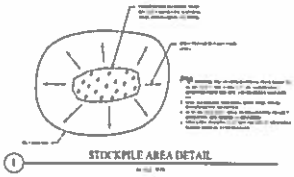
GLEDHILL ESTATES
668 MOUNTAIN ROAD
WEST HARTFORD, CONNECTICUT

SOIL EROSION & SEDIMENT CONTROL PLAN PHASE II

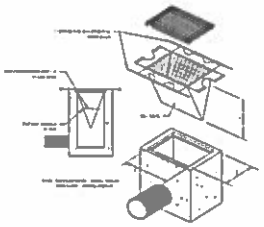
2.32


FAIRFIELD ROAD
MOUNTAIN ROAD
LOVELACE DRIVE
MOUNTAIN ROAD
LEGEND
1 SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE III
PHASE III CONSTRUCTION SEQUENCE
GENERAL NOTES
SOIL TYPE CLASSIFICATION
SEDIMENT TRAP CALCULATIONS
SOLLI ENGINEERING
GLEDHILL ESTATES
and MOUNTAIN ROAD
WEST HARTFORD, CONNECTICUT
SOIL EROSION & SEDIMENT CONTROL PLAN PHASE III
2.33

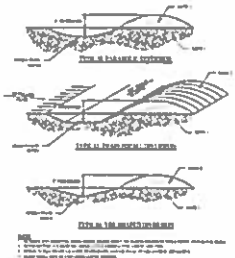
SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES



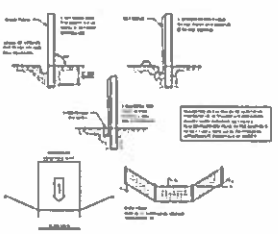
1 STOCKPILE AREA DETAIL



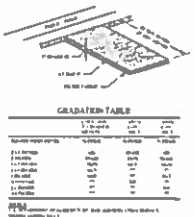
2 SILT SACK DETAIL



3 DIVERSION BERM DETAIL

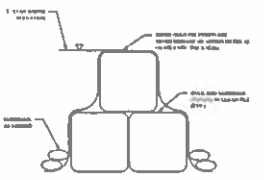


4 SILT FENCE BARRIER DETAIL

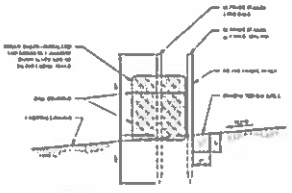


GRADATION TABLE

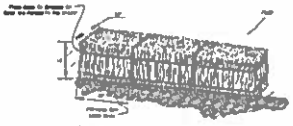
5 CONSTRUCTION ENTRANCE



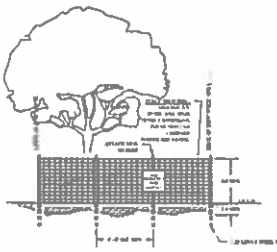
6 TEMPORARY COFFERDAM



7 SILT FENCE WITH HAYBALE BACKING



8 STAKED HAYBALE PROTECTION DETAIL



9 TREE PROTECTION DETAIL

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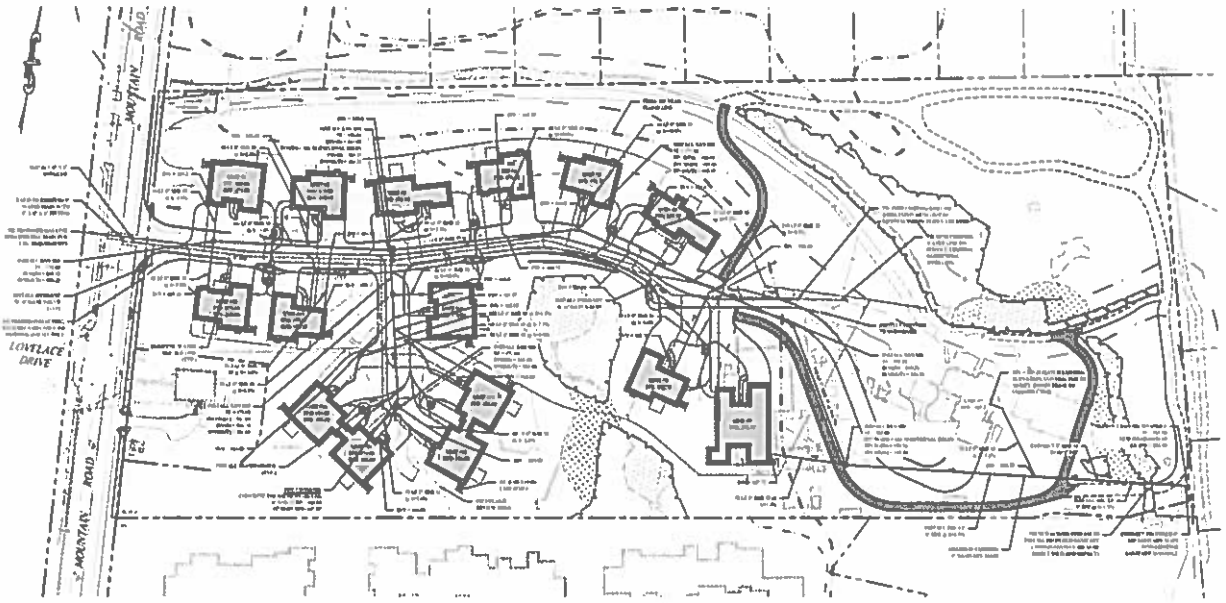
GLEDHILL ESTATES

900 MOUNTAIN ROAD

WEST HARTFORD, CONNECTICUT

SOIL EROSION & SEDIMENT CONTROL NOTE & DETAILS

2.41



LEGEND

TRENCH EXCAVATION NOTES

STANDARD WATER MAIN NOTES

STANDARD SANITARY SEWER NOTES

GENERAL UTILITY NOTES

UTILITY CONTACT LIST

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GLEDHILL ESTATES
360 MOUNTAIN ROAD
WEST HARTFORD, CONNECTICUT

SITE UTILITY PLAN

2.51